

Refine Search

Search Results -

Terms	Documents
L5 and L4	6

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L6

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Monday, February 23, 2004 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

Hit Count Set Name

result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

<u>L6</u>	L5 and l4	6	<u>L6</u>
<u>L5</u>	((cluster\$ or classif\$ or group) same database\$ same binar\$).clm.	24	<u>L5</u>
<u>L4</u>	((cluster\$ or classif\$ or group) same database\$ same binar\$).ab.	26	<u>L4</u>
<u>L3</u>	((cluster\$ or classif\$ or group) same database\$ same binar\$).ti.	4	<u>L3</u>
<u>L2</u>	(cluster\$ or classif\$ or group) same database\$ same binar\$	351	<u>L2</u>
<u>L1</u>	(cluster\$ or classif\$ or group) same database\$	32522	<u>L1</u>

END OF SEARCH HISTORY

Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 6 of 6 returned.☐ 1. Document ID: US 20020147707 A1**Using default format because multiple data bases are involved.**

L6: Entry 1 of 6

File: PGPB

Oct 10, 2002

PGPUB-DOCUMENT-NUMBER: 20020147707

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020147707 A1

TITLE: System and method for the identification of latent relationships amongst data elements in large databases

PUBLICATION-DATE: October 10, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kraay, Thomas A.	Manassas	VA	US	
Brisbin, Charles E.	Sterling	VA	US	
Carlson, Ralph	Grove City	PA	US	

US-CL-CURRENT: 707/3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 2. Document ID: US 20020143768 A1

L6: Entry 2 of 6

File: PGPB

Oct 3, 2002

PGPUB-DOCUMENT-NUMBER: 20020143768

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020143768 A1

TITLE: Probe array data storage and retrieval

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D
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☐ 3. Document ID: US 20020087567 A1

L6: Entry 3 of 6

File: PGPB

Jul 4, 2002

PGPUB-DOCUMENT-NUMBER: 20020087567

PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020087567 A1

TITLE: Unified binary model and methodology for knowledge representation and for data and information mining

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 4. Document ID: US 20010049693 A1

L6: Entry 4 of 6

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049693
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010049693 A1

TITLE: MAPPING BINARY OBJECTS IN EXTENDED RELATIONAL DATABASE MANAGEMENT SYSTEMS WITH RELATIONAL REGISTRY

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 5. Document ID: US 6567936 B1

L6: Entry 5 of 6

File: USPT

May 20, 2003

US-PAT-NO: 6567936
DOCUMENT-IDENTIFIER: US 6567936 B1

TITLE: Data clustering using error-tolerant frequent item sets

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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☐ 6. Document ID: US 6502086 B2

L6: Entry 6 of 6

File: USPT

Dec 31, 2002

US-PAT-NO: 6502086
DOCUMENT-IDENTIFIER: US 6502086 B2

TITLE: Mapping binary objects in extended relational database management systems with relational registry

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWMC	Draw. De
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Print

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Bkwd Refs

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Terms

Documents

L5 and L4

6

First Hit

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Print

L6: Entry 4 of 6

File: PGPB

Dec 6, 2001

PGPUB-DOCUMENT-NUMBER: 20010049693
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20010049693 A1

TITLE: MAPPING BINARY OBJECTS IN EXTENDED RELATIONAL DATABASE MANAGEMENT SYSTEMS
WITH RELATIONAL REGISTRY

PUBLICATION-DATE: December 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
PRATT, ROBERT C.	JERICOH	VT	US	

APPL-NO: 09/ 225108 [PALM]
DATE FILED: January 4, 1999

CONTINUED PROSECUTION APPLICATION: CPA

INT-CL: [07] G06 F 12/00

US-CL-PUBLISHED: 707/200
US-CL-CURRENT: 707/200

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

An automated data processing system includes a relational database engine, storage devices having a database table, registry and binary large objects created and updated by the relational database engine and a user defined function engine retrieving data elements stored in the binary large objects. The registry includes data element classifications. The database table includes relational information of the data elements, the data element classifications and pointers to the binary large objects, and the relational database engine creates and updates the binary large objects based on the database table and the registry.

[First Hit](#) [Fwd Refs](#)

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Print

L6: Entry 5 of 6

File: USPT

May 20, 2003

US-PAT-NO: 6567936

DOCUMENT-IDENTIFIER: US 6567936 B1

TITLE: Data clustering using error-tolerant frequent item sets

DATE-ISSUED: May 20, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yang; Cheng	Mountain View	CA		
Fayyad; Usama M.	Mercer Island	WA		
Bradley; Paul S.	Seattle	WA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Microsoft Corporation	Redmond	WA			02

APPL-NO: 09/ 500173 [\[PALM\]](#)

DATE FILED: February 8, 2000

INT-CL: [07] [G06 F 11/00](#)US-CL-ISSUED: [714/37](#); [707/2](#), [707/3](#), [707/4](#), [707/5](#), [707/6](#)US-CL-CURRENT: [714/37](#); [707/2](#), [707/3](#), [707/4](#), [707/5](#), [707/6](#)FIELD-OF-SEARCH: [714/1](#), [714/37](#), [707/2](#), [707/3](#), [707/4](#), [707/5](#), [707/6](#)

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected

Search ALL

Clear

	PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/>	5845285	December 1998	Klein	707/101
<input type="checkbox"/>	6049797	April 2000	Guha et al.	707/6
<input type="checkbox"/>	6490582	December 2002	Fayyad et al.	707/6

OTHER PUBLICATIONS

Cheng Yang, Usama Fayyad, Paul Bradley, Efficient Discovery of Error-Tolerant Frequent Itemsets in High Dimensions, 2001, ACM.*
Roberto J. Bayardo Jr., Rakesh Agrawal, Dimitrios Gunopulos, Constraint-Based Rule

Mining in Large, Dense Databases.*

Suh-Ying Wur and Yungho Leu, An Effective Boolean Algorithm for Mining Association Rules in Large Databases.*

Hannu Toivonen, Sampling Large Databases for Association Rules, Proceedings of the 22nd VLDB Conference Mumbai (Bombay), India, 1996, pp. 134-145.

Roberto J. Bayardo, Jr., Efficiently Mining Long Patterns from Databases, SIGMOD 98, Seattle, WA, USA, 1998, pp. 85-93.

Usama M. Fayyad, Cory Reina, P.S. Bradley, Initialization of Iterative Refinement Clustering Algorithms, Proceedings of the Fourth International Conference on Knowledge Discovery and Data Mining, AAAI Press, Aug. 1998.

Marina Meila, David Heckerman, An Experimental Comparison of Several Clustering and Initialization Methods, Microsoft Research Technical Report MSR-TR-98-06, Feb. 1998.

Dimitrios Gunopulos, Heikki Mannila, Sanjeev Saluja, Discovering all most specific sentences by randomized algorithms, Proc. Of the 6th Int'l Conf. On Database Theory, pp. 215-229, 1997.

M.J. Zaki, S. Parthasarathy, M. Ogiwara, W. Li, New algorithms for fast discovery of association rules, In Proc. of the Third Int'l Conf. On Knowledge Discovery in Databases and Data Mining, pp. 283-286, 1997.

ART-UNIT: 2184

PRIMARY-EXAMINER: Beausoliel; Robert

ASSISTANT-EXAMINER: Duncan; Marc M

ATTY-AGENT-FIRM: Watts, Hoffmann, Fisher & Heinke, Co., L.P.A.

ABSTRACT:

A generalization of frequent item sets to error-tolerant frequent item sets (ETF) is disclosed, together with its application in data clustering using error-tolerant frequent item sets to either build clusters or as an initialization technique for standard clustering algorithms. Efficient feasible computational algorithms for computing ETF's from very large databases is presented. In one embodiment, a method determines a plurality of weak ETF's, which are strongly tolerant of errors, and determines a plurality of strong ETF's therefrom, which are less tolerant of errors. The resulting clusters can be used as an initial model for a standard clustering approach, or may themselves be used as the end clusters. In one embodiment, the data covered by the strong clusters is removed from the data, and the process is repeated, until no more weak clusters can be found. The invention includes methods for constructing ETF's from more general data types: data sets that include categorical discrete, continuous, and binary attributes.

54 Claims, 6 Drawing figures

Hit List

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Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 4 of 4 returned.

☐ 1. Document ID: WO 2065455 A1**Using default format because multiple data bases are involved.**

L3: Entry 1 of 4

File: EPAB

Aug 22, 2002

PUB-NO: WO002065455A1

DOCUMENT-IDENTIFIER: WO 2065455 A1

TITLE: EVALUATION SYSTEM AND METHOD FOR BINARY CLASSIFICATION SYSTEMS UTILIZING
UNSUPERVISED DATABASE

PUBN-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME

COUNTRY

BRUMMER, JOHAN NIKOLAAS LANGENH

ZA

INT-CL (IPC): G10 L 17/00

EUR-CL (EPC): G10L017/00

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 2. Document ID: US 20020194161 A1

L3: Entry 2 of 4

File: DWPI

Dec 19, 2002

DERWENT-ACC-NO: 2003-311545

DERWENT-WEEK: 200330

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TITLE: Directed web crawling system in distributed database search application, has
classifier, trained to classify database content using seed documents so that
relevant documents are searched using binary system of classifier

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. De
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☐ 3. Document ID: US 20020143768 A1

L3: Entry 3 of 4

File: DWPI

Oct 3, 2002

DERWENT-ACC-NO: 2003-138653

DERWENT-WEEK: 200313

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TITLE: Data storage method for results from gene expression experiments, involves grouping each set of data and storing each group in relational database as single binary object

Full	Title	Citation	Front	Review	Classification	Date	Reference	Full Text	Abstracts	Claims	KWIC	Drawings
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☐ 4. Document ID: WO 200122246 A1, AU 200126127 A, US 6507865 B1

L3: Entry 4 of 4

File: DWPI

Mar 29, 2001

DERWENT-ACC-NO: 2001-441160

DERWENT-WEEK: 200319

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TITLE: Network system for content collaboration among group of participants; uses logic in communication with database to asynchronously dynamically update binary content in dynamic content region in response to input

Full	Title	Citation	Front	Review	Classification	Date	Reference	Full Text	Abstracts	Claims	KWIC	Drawings
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Terms	Documents
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[Previous Page](#)[Next Page](#)[Go to Doc#](#)